



# **Web Crawler Practice**

## **Web Design I - HTML**

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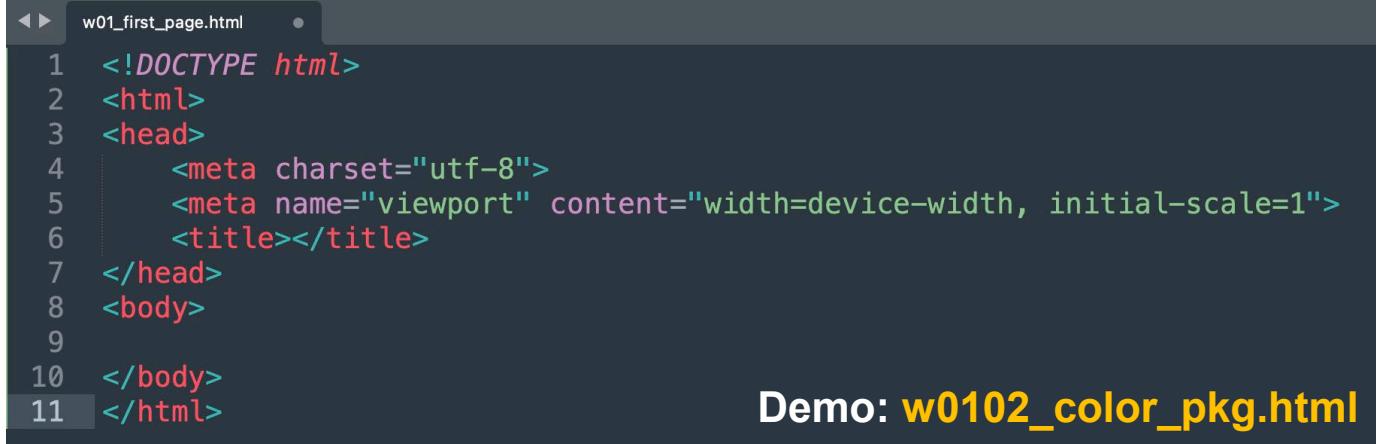


# Outline

- What is HTML?
- Editors: Sublime
- How to Design My First Website?
- Website Architecture
- Lorem Ipsum
- Metadata
- Elements
- Template
- GitHub
- Assignment

# What is HTML?

- HTML stands for “*Hyper Text Markup Language*”.
- As a markup language, we use several brackets to differentiate (types of) elements in a web page.
- HTML also depicts the structure of a web page and tells the browser how to display all contents correctly.
- Therefore, the labels of all elements are essential to display the content with specific formats.



```
w01_first_page.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title></title>
7   </head>
8   <body>
9
10  </body>
11 </html>
```

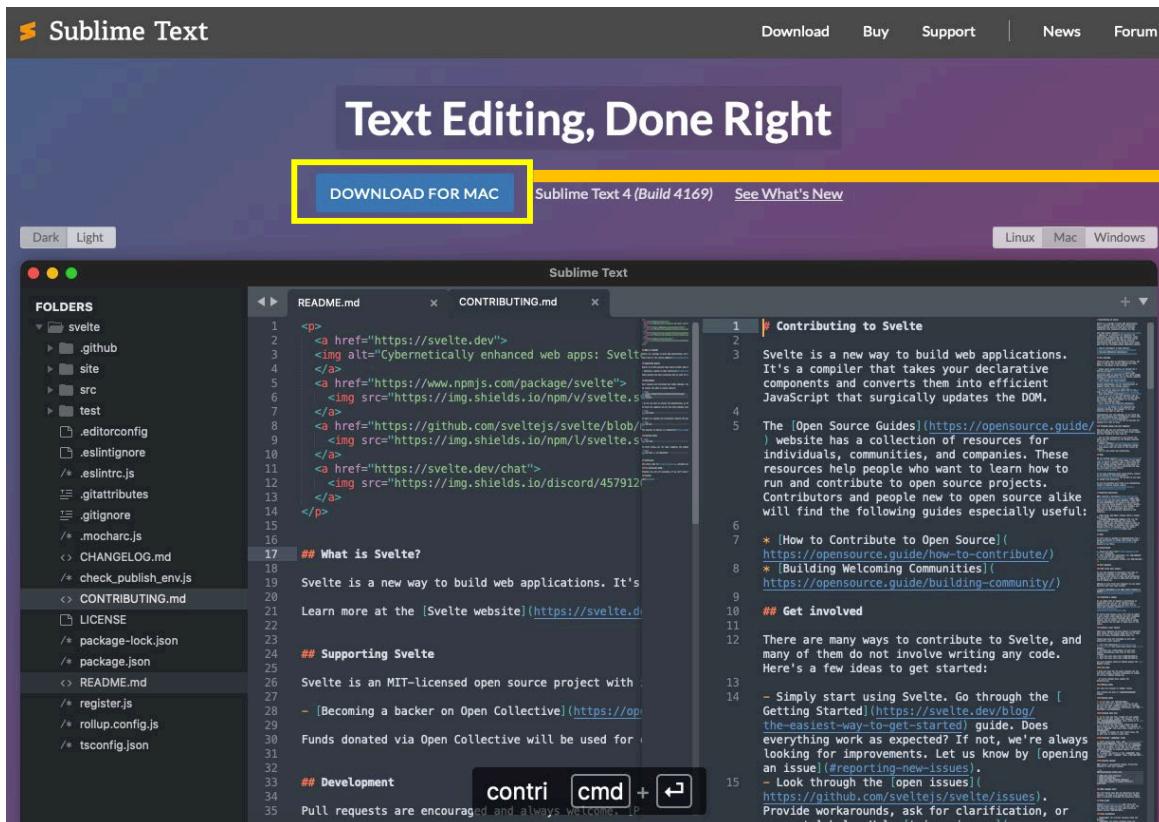
Demo: [w0102\\_color\\_pkg.html](#)

# Editors: Sublime

- There are various editors for web design, including Adobe Dreamweaver, notepad++, Microsoft Visual Studio, and Sublime. However, some of them are required to buy their licenses for access.
- This course will use a free editor to compile with various programming languages, including HTML (CSS), MATLAB, C/C++, Python, Java, JavaScript, LaTeX, and Go.
- Therefore, I strongly recommend that you use **Sublime**.

# Editors: Sublime

- Download Sublime here: <https://www.sublimetext.com>



## Step 1: Directly click here!

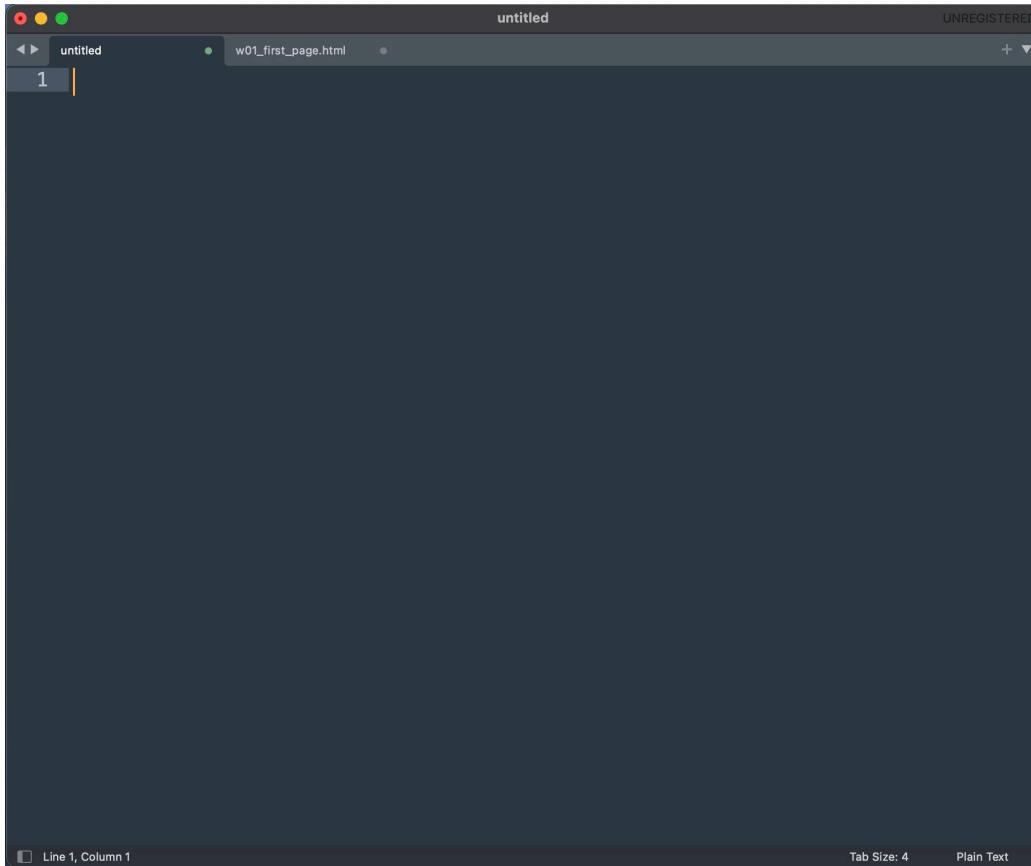
If your OS is Windows, then it will automatically show the text → “DOWNLOAD FOR WINDOWS”

## Step 2: Installation

Just like other software  
→ accept, OK, ..., Finished

# Editors: Sublime

- Open Sublime

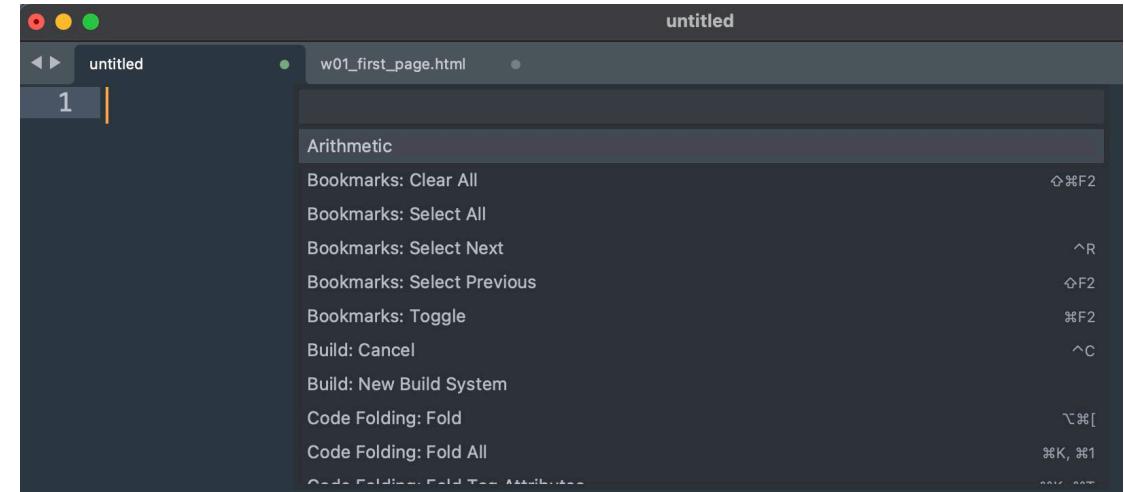


February 26, 2024

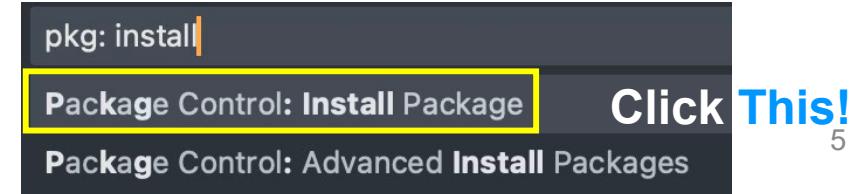
Chun-Hsiang Chan (2024)

## Install Extensions

- Win: Shift+Ctrl+P
- Mac: Shift+Command+P



- Key in “pkg: install”



# Editors: Sublime

- It will show like the following figure.
- Installation List

The screenshot shows a list of color schemes available for Sublime Text. Each item includes the name, a brief description, and the date it was last updated. The packages listed are:

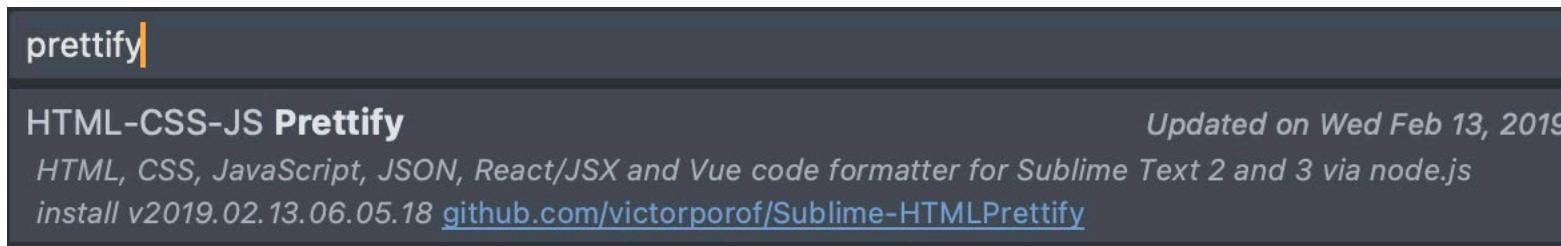
- 0x0**: Post text from Sublime Text to 0x0, updated on Mon Nov 01, 2021. Description: "Post text from Sublime Text to 0x0". Install link: [install v0.0.1 github.com/axsual/sublime-0x0](https://github.com/axsual/sublime-0x0).
- 10% Too Dull for My Tastes Color Scheme**: For fun Color Scheme by Scotch.io for your Sublime Text 3 Editor, updated on Thu Mar 01, 2018. Description: "For fun Color Scheme by Scotch.io for your Sublime Text 3 Editor". Install link: [install v1.0.0 github.com/scotch-io/10-percent-too-dull-for-my-tastes](https://github.com/scotch-io/10-percent-too-dull-for-my-tastes).
- 1337 Color Scheme**: 1337 - A Color Scheme for dark Sublime Text, updated on Wed Jul 04, 2018. Description: "1337 - A Color Scheme for dark Sublime Text". Install link: [install v2.0.0 github.com/MarkMichos/1337-Scheme](https://github.com/MarkMichos/1337-Scheme).
- 1Self**: Track your activity with the 1self Sublime Text 2/3 Plugin, updated on Tue May 19, 2015. Description: "Track your activity with the 1self Sublime Text 2/3 Plugin". Install link: [install v0.0.17 www.1self.co/](https://www.1self.co/).
- 3024 Color Scheme**: 3024 theme for TextMate & Sublime Text, updated on Tue Apr 29, 2014. Description: "3024 theme for TextMate & Sublime Text".

The screenshot shows a list of color-related plugins available for Sublime Text. Each item includes the name, a brief description, and the date it was last updated. The packages listed are:

- Colorcoder**: Semantic highlight for Sublime Text, updated on Tue Dec 23, 2014. Description: "Semantic highlight for Sublime Text". Install link: [install v2014.12.23.19.17.54 github.com/vprimachenko/Sublime-Colorcoder](https://github.com/vprimachenko/Sublime-Colorcoder).
- Colors sublime**: Plugin for Color Sublime, updated on Tue Dec 20, 2022. Description: "Plugin for Color Sublime". Install link: [install v2.1.1 github.com/ColorsSublime/ColorsSublime-Plugin](https://github.com/ColorsSublime/ColorsSublime-Plugin).
- Color Convert**: sublime text 3 plugin, support RGB2HEX & HEX2RGB and more convert mode, updated on Thu Feb 13, 2020. Description: "sublime text 3 plugin, support RGB2HEX & HEX2RGB and more convert mode.". Install link: [install v2.3.4 github.com/zhouyuxie/ColorConvert](https://github.com/zhouyuxie/ColorConvert).
- Color Highlight**: Lightweight Color Highlight colorizer for Sublime Text, updated on Wed Nov 21, 2018. Description: "Lightweight Color Highlight colorizer for Sublime Text". Install link: [install v1.2.2 github.com/Kronuz/ColorHighlight](https://github.com/Kronuz/ColorHighlight).
- Color Highlighter**: ColorHighlighter - is a plugin for the Sublime text 2 and 3, which underlays selected hexadecimal colorcodes, updated on Fri Oct 06, 2017. Description: "ColorHighlighter - is a plugin for the Sublime text 2 and 3, which underlays selected hexadecimal colorcodes". Install link: [install v8.0.9 sublime.wbond.net/packages/Color%20Highlighter](https://sublime.wbond.net/packages/Color%20Highlighter).

# Editors: Sublime

- #1 HTML-CSS-JS Prettify



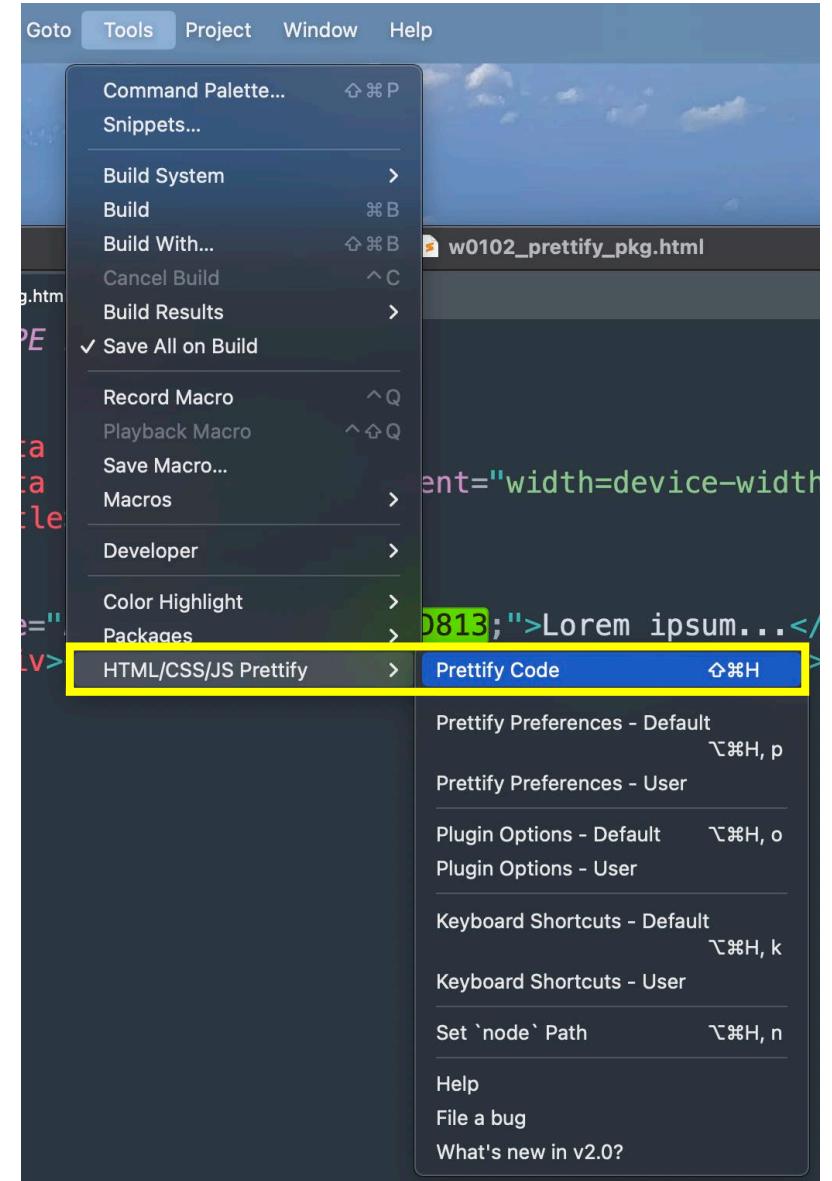
- Before you install this package, you must ensure that Node.js is already installed on your computer.
- Download link: <https://nodejs.org/en>
- Installation: just like any other software
- Demo: [w0102\\_prettify\\_pkg.html](#)

# Editors: Sublime

- #1 HTML-CSS-JS Prettify
- Original HTML file



```
w0102_prettify_pkg.html x
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title></title>
7  </head>
8  <body>
9  <p style="background-color:#81D813;">Lorem ipsum...</p>
10 <div><div><li>1213</li><li>456</li><li>678</li></div></div>
11 </body>
12 </html>
```



# Editors: Sublime

- #1 HTML-CSS-JS Prettify

The screenshot shows two panels of Sublime Text comparing code before and after prettification. The left panel, labeled 'Before prettifying', displays a block of HTML with several nested elements and inline styles. The right panel, labeled 'After prettifying', shows the same code but with improved indentation and line spacing, making it more readable.

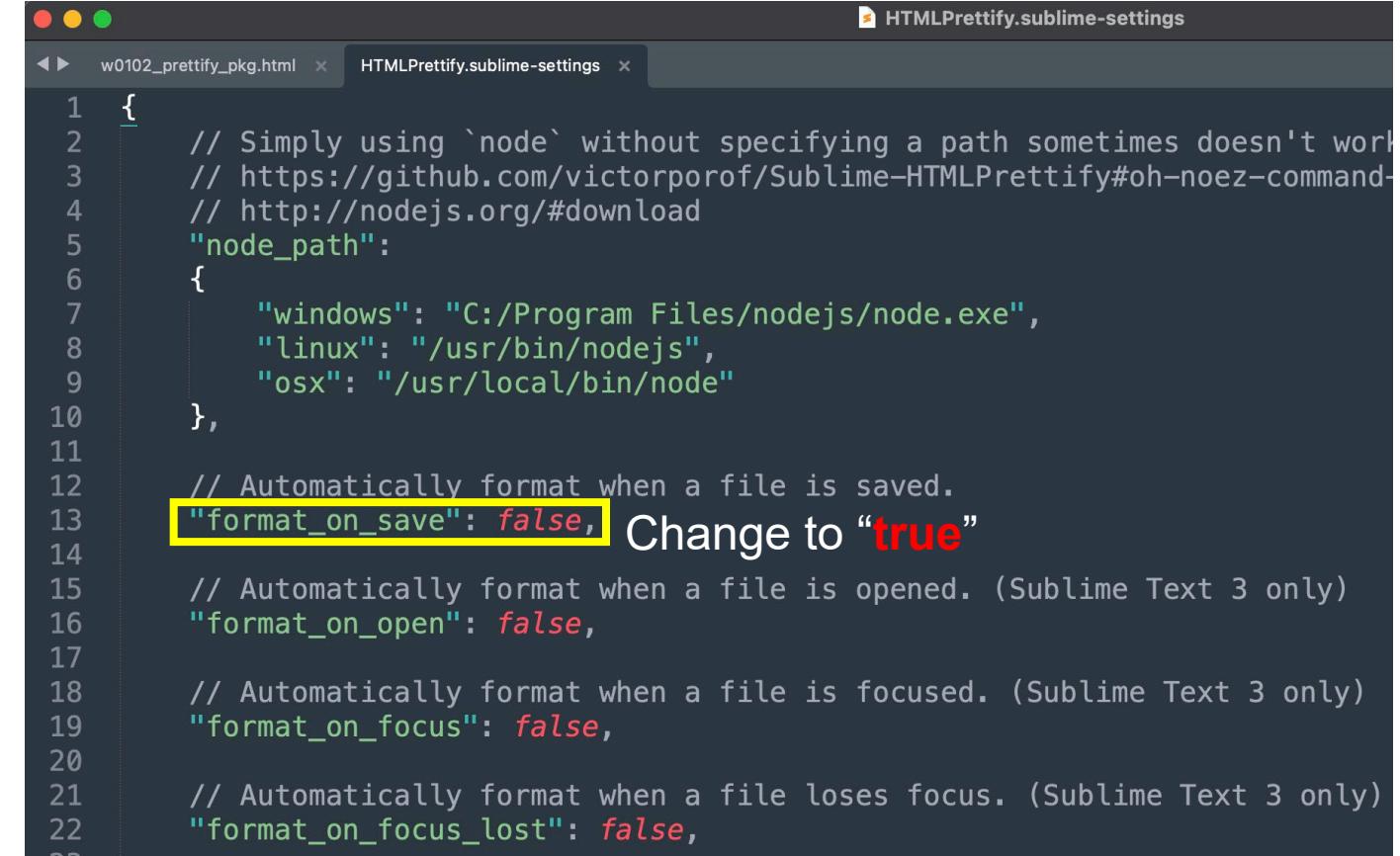
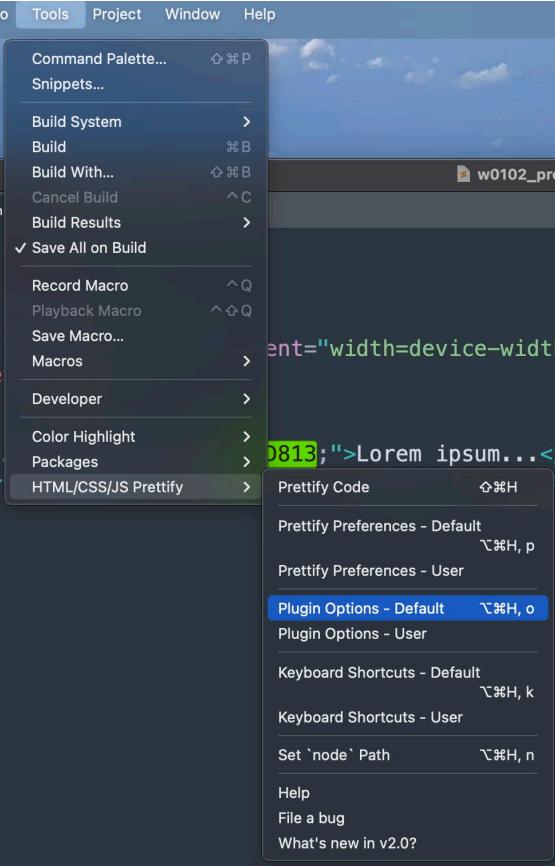
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title></title>
7   </head>
8   <body>
9     <p style="background-color:#81D813;">Lorem ipsum...</p>
10    <div><div><li>1213</li><li>456</li><li>678</li>
11    </div></div>
12  </body>
13 </html>
```

```
1 <!DOCTYPE html>
2 <html>
3
4   <head>
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <title></title>
8   </head>
9
10  <body>
11    <p style="background-color:#81D813;">Lorem ipsum...</p>
12    <div>
13      <div>
14        <li>1213</li>
15        <li>456</li>
16        <li>678</li>
17      </div>
18    </div>
19  </body>
20
21 </html>
```

# Editors: Sublime

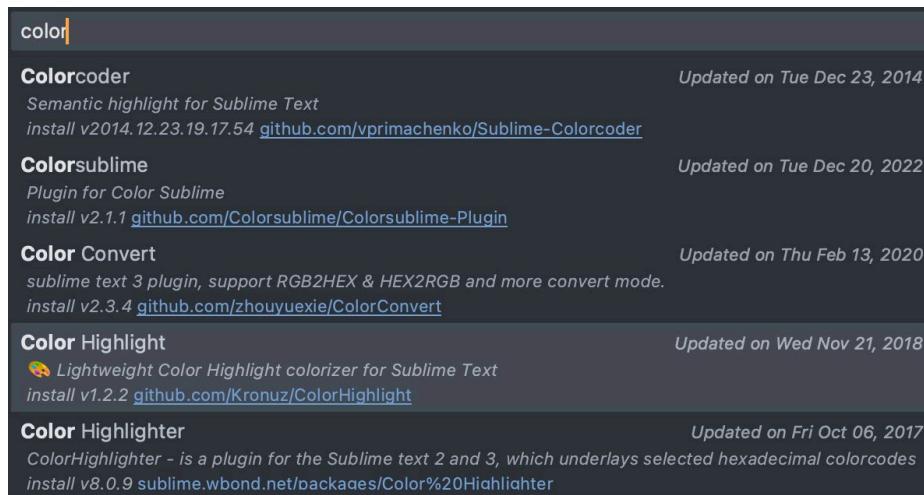
- #1 HTML-CSS-JS Prettify – Auto-formatting on Save



```
1 {  
2     // Simply using `node` without specifying a path sometimes doesn't work  
3     // https://github.com/victorporof/Sublime-HTMLPrettify#oh-noez-command-  
4     // http://nodejs.org/#download  
5     "node_path":  
6     {  
7         "windows": "C:/Program Files/nodejs/node.exe",  
8         "linux": "/usr/bin/nodejs",  
9         "osx": "/usr/local/bin/node"  
10    },  
11  
12    // Automatically format when a file is saved.  
13    "format_on_save": false, Change to "true"  
14  
15    // Automatically format when a file is opened. (Sublime Text 3 only)  
16    "format_on_open": false,  
17  
18    // Automatically format when a file is focused. (Sublime Text 3 only)  
19    "format_on_focus": false,  
20  
21    // Automatically format when a file loses focus. (Sublime Text 3 only)  
22    "format_on_focus_lost": false,  
23}
```

# Editors: Sublime

## #2 Color Picker Package: Color Highlight



### Demo: w0103\_color\_pkg.html

The screenshot shows a Sublime Text editor window with the file 'w02\_color\_pkg.html' open. The code is as follows:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1">
6      <title></title>
7  </head>
8  <body>
9      <p style="background-color:#81D813;">Lorem ipsum...</p>
10 </body>
11 </html>
```

The line '9' is highlighted with a green background, demonstrating the color highlighting feature.

# Editors: Sublime

- Quick guide
- Create an HTML file with three **divs** in the **body** section.

The screenshot shows a Sublime Text interface with two tabs. The left tab, titled 'w0104\_quick\_gen.html', contains the following text:

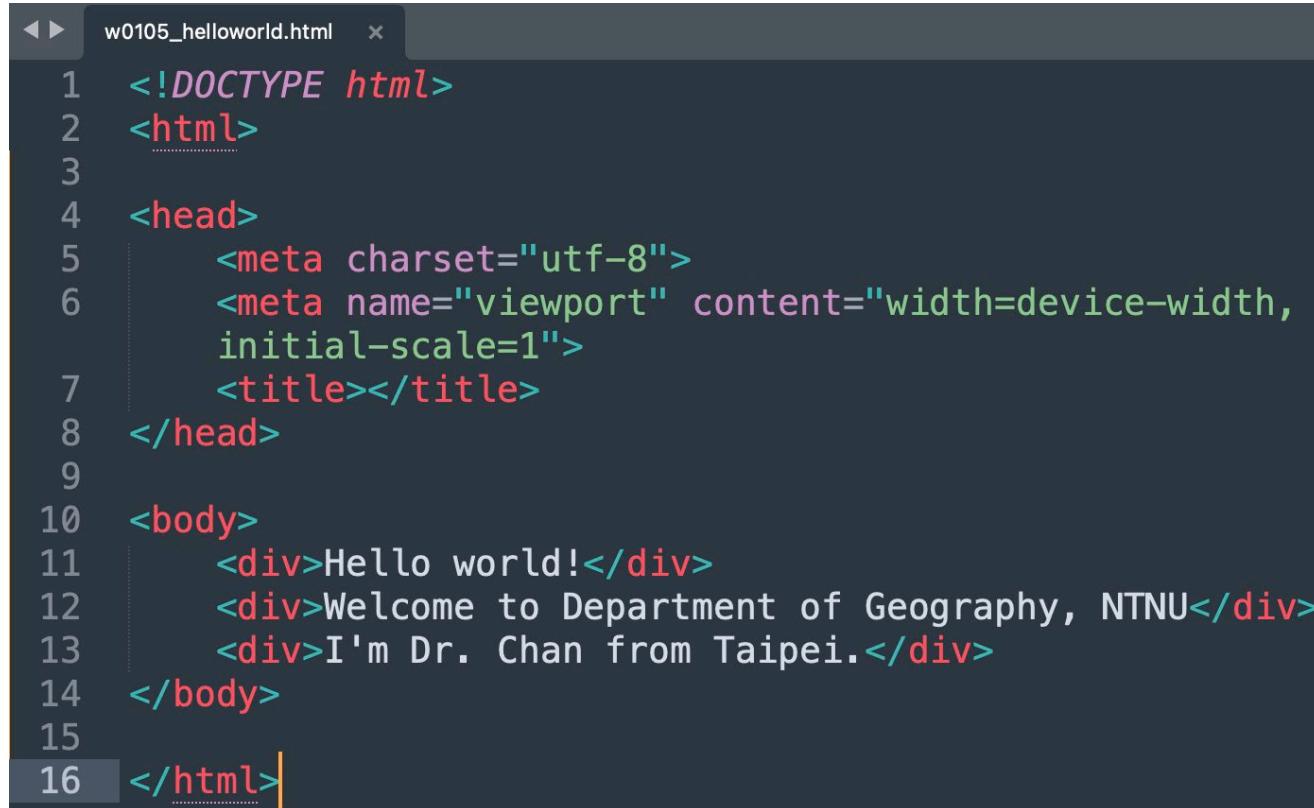
**Step 1:** key in “HTML” and press the “tab” button  
**Step 2:** find the body section and key in three “divs”.  
Step 3: press the “tab” button after the text of “div.”

The right tab, titled 'untitled', displays the generated HTML code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width,
6         initial-scale=1">
6     <title></title>
7 </head>
8 <body>
9     <div></div>
10    <div></div>
11    <div></div>
12 </body>
13 </html>
```

Demo: w0104\_quick\_gen.html

# How to Design My First Website?



A screenshot of a code editor window titled "w0105\_helloworld.html". The code is an HTML document with the following structure:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <meta name="viewport" content="width=device-width,
6     initial-scale=1">
7   <title></title>
8 </head>
9
10 <body>
11   <div>Hello world!</div>
12   <div>Welcome to Department of Geography, NTNU</div>
13   <div>I'm Dr. Chan from Taipei.</div>
14 </body>
15
16 </html>
```

Demo: [w0105\\_helloworld.html](#)

- Quick view on Safari

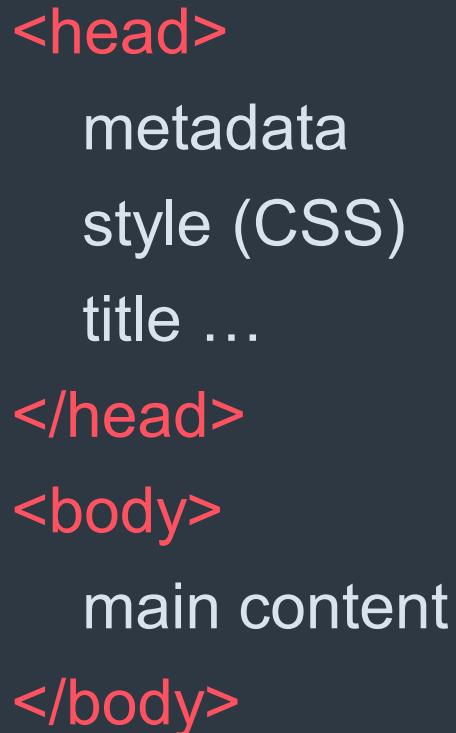
Hello world!

Welcome to Department of Geography, NTNU  
I'm Dr. Chan from Taipei.

- Later, we will discuss the structure of the front-end engineer.

# Website Architecture

Demo: [w0106\\_architecture.html](#)



```
w0106_architecture.html x
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5    <meta charset="utf-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1">
7    <title>w0106 architecture</title>
8  </head>
9
10 <body>
11   <div>
12     <h1>Chapter 1</h1>
13     <h2>Section 1.1</h2>
14     <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla nec rutrum mi. Mauris venenatis ultrices ante in venenatis. Donec scelerisque a dui id faucibus. Donec interdum sed mi suscipit rhoncus. Nunc sed consectetur arcu. Mauris elementum neque sit amet augue convallis, lacinia consectetur odio tempus. Suspendisse dignissim est dui, in volutpat nisl mattis vitae.</p>
15     <h2>Section 1.2</h2>
16     <p>Curabitur hendrerit enim non eros pulvinar tempus. Proin a elit non tellus viverra posuere id et justo. Maecenas nec imperdiet lorem. In ac purus magna. Pellentesque vitae purus eu purus consectetur eleifend nec sit amet dolor. Vivamus lobortis nisl nisi, placerat tempor ipsum ornare at. Phasellus non justo mauris. Cras sollicitudin arcu eget turpis tincidunt rutrum. Cras efficitur ex egestas elit lobortis, et condimentum ante pretium. Sed arcu mauris, ullamcorper non placerat ac, cursus venenatis erat. Sed pulvinar a leo et pharetra. Nulla eleifend at orci ut faucibus. Sed vehicula augue in tellus viverra, nec ullamcorper mauris convallis. Nam interdum, neque quis iaculis mollis, arcu urna imperdiet mauris, at imperdiet libero purus id arcu.</p>
17   </div>
18   <div>
19     <h1>Chapter 2</h1>
20     <h2>Section 2.1</h2>
21     <p>Proin ipsum augue, dictum vitae pellentesque non, molestie non mi. Etiam malesuada dolor eget ex scelerisque lobortis. Integer porttitor quam non leo mollis, eget fringilla lorem luctus. Vestibulum iaculis pharetra turpis, vitae varius ex euismod et. Curabitur blandit placerat enim, sed pretium justo interdum nec. Aenean pharetra pulvinar lacus, vel efficitur neque dictum nec. Maecenas ex felis, aliquam ac eleifend quis, facilisis vel magna. Donec ultricies laoreet orci et consectetur. Sed ac mollis dolor. Proin varius elit pellentesque, porttitor justo a, tempus nisl. Curabitur malesuada, ante a molestie suscipit, lorem est suscipit nisi, nec aliquam nisi nibh sed quam.</p>
22     <h2>Section 2.2</h2>
23     <p>In hac habitasse platea dictumst. Fusce vestibulum, purus vel ultricies dapibus, orci tellus fringilla tellus, ac hendrerit urna metus quis leo. Fusce quis volutpat sapien. Etiam ligula nulla, dapibus non enim sit amet, placerat convallis tellus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Morbi rutrum volutpat risus ut malesuada. Maecenas risus erat, suscipit vel elit vehicula, lacinia hendrerit sem. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer ut sagittis orci, vitae bibendum augue. Curabitur at vestibulum ex. Integer sed lobortis tortor. Nullam fringilla porttitor quam, ac venenatis sapien pulvinar at. Aenean fermentum, leo sed venenatis luctus, magna dolor consequat sem, vitae laoreet magna arcu ac mi. Maecenas nec velit pharetra, congue purus sit amet, pellentesque eros. Proin at imperdiet leo. Nulla viverra hendrerit dolor, et tempus mi tempor semper.</p>
24   </div>
25   <div>
```

# Website Architecture

- In browser, ...

## Chapter 1

### Section 1.1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla nec rutrum mi. Mauris venenatis ultrices ante in venenatis. Donec scelerisque a dui id faucibus. Donec interdum sed mi suscipit rhoncus. Nunc sed consectetur arcu. Mauris elementum neque sit amet augue convallis, lacinia consectetur odio tempus. Suspendisse dignissim est dui, in volutpat nisl mattis vitae.

### Section 1.2

Curabitur hendrerit enim non eros pulvinar tempus. Proin a elit non tellus viverra posuere id et justo. Maecenas nec imperdiet lorem. In ac purus magna. Pellentesque vitae purus eu purus consectetur eleifend nec sit amet dolor. Vivamus lobortis nisl nisi, placerat tempor ipsum ornare at. Phasellus non justo mauris. Cras sollicitudin arcu eget turpis tincidunt rutrum. Cras efficitur ex egestas elit lobortis, et condimentum ante pretium. Sed arcu mauris, ullamcorper non placerat ac, cursus venenatis erat. Sed pulvinar a leo et pharetra. Nulla eleifend at orci ut faucibus. Sed vehicula augue in tellus viverra, nec ullamcorper mauris convallis. Nam interdum, neque quis iaculis mollis, arcu urna imperdiet mauris, at imperdiet libero purus id arcu.

## Chapter 2

### Section 2.1

Proin ipsum augue, dictum vitae pellentesque non, molestie non mi. Etiam malesuada dolor eget ex scelerisque lobortis. Integer porttitor quam non leo mollis, eget fringilla lorem luctus. Vestibulum iaculis pharetra turpis, vitae varius ex euismod et. Curabitur blandit placerat enim, sed pretium justo interdum nec. Aenean pharetra pulvinar lacus, vel efficitur neque dictum nec. Maecenas ex felis, aliquam ac eleifend quis, facilisis vel magna. Donec ultricies laoreet orci et consectetur. Sed ac mollis dolor. Proin varius elit pellentesque, porttitor justo a, tempus nisl. Curabitur malesuada, ante a molestie suscipit, lorem est suscipit nisi, nec aliquam nisi nibh sed quam.

### Section 2.2

In hac habitasse platea dictumst. Fusce vestibulum, purus vel ultricies dapibus, orci tellus fringilla tellus, ac hendrerit urna metus quis leo. Fusce quis volutpat sapien. Etiam ligula nulla, dapibus non enim sit amet, placerat convallis tellus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Morbi rutrum volutpat risus ut malesuada. Maecenas risus erat, suscipit vel elit vehicula, lacinia hendrerit sem. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer ut sagittis orci, vitae bibendum augue. Curabitur at vestibulum ex. Integer sed lobortis tortor. Nullam fringilla porttitor quam, ac venenatis sapien pulvinar at. Aenean fermentum, leo sed venenatis luctus, magna dolor consequat sem, vitae laoreet magna arcu ac mi. Maecenas nec velit pharetra, congue purus sit amet, pellentesque eros. Proin at imperdiet leo. Nulla viverra hendrerit dolor, et tempus mi tempor semper.

## Chapter 3

Pellentesque est turpis, luctus quis erat quis, ultricies posuere sapien. Morbi eu sapien non lorem ullamcorper egestas. Nullam tincidunt nisi vel lacus posuere, quis volutpat magna vestibulum. In hac habitasse platea dictumst. Vestibulum a massa mi. Nullam condimentum ligula vitae lorem consectetur condimentum. Maecenas blandit augue et enim aliquet, eu ultrices diam porta.

# Lorem Ipsum

- As front-end engineers, we do not have time to wait for web page content (e.g., texts and figures) because it will seriously affect the development time.
- Here is a very useful trash text generator – called **Lorem Ipsum**.

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[ગુજરાતી](#) [સિન્હા](#) [Magyar](#) [Indonesia](#) [Italiano](#) [Latviski](#) [Lietuviškai](#) [македонски](#) [Melayu](#) [Norsk](#) [Polski](#) [Português](#) [Româna](#) [Русский](#) [Српски](#) [Slovenčina](#) [Slovenščina](#)  
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## Lorem Ipsum

*"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..."*

"There is no one who loves pain itself, who seeks after it and wants to have it, simply because it is pain..."

### What is Lorem Ipsum?

**Lorem Ipsum** is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

### Why do we use it?

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for ' lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

## Generator settings

5

- paragraphs
- words
- bytes
- lists

Start with 'Lorem ipsum dolor sit amet...'

**Generate Lorem Ipsum**

# Lorem Ipsum

- The results ...

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## Lorem Ipsum

*"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..."*

"There is no one who loves pain itself, who seeks after it and wants to have it, simply because it is pain..."

---

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla nec rutrum mi. Mauris venenatis ultrices ante in venenatis. Donec scelerisque a dui id faucibus. Donec interdum sed mi suscipit rhoncus. Nunc sed consectetur arcu. Mauris elementum neque sit amet augue convallis, lacinia consectetur odio tempus. Suspendisse dignissim est dui, in volutpat nisl mattis vitae.

Proin ipsum augue, dictum vitae pellentesque non, molestie non mi. Etiam malesuada dolor eget ex scelerisque lobortis. Integer porttitor quam non leo mollis, eget fringilla lorem luctus. Vestibulum iaculis pharetra turpis, vitae varius ex euismod et. Curabitur blandit placerat enim, sed pretium justo interdum nec. Aenean pharetra pulvinar lacus, vel efficitur neque dictum nec. Maecenas ex felis, aliquam ac eleifend quis, facilisis vel magna. Donec ultricies laoreet orci et consectetur. Sed ac mollis dolor. Proin varius elit pellentesque, porttitor justo a, tempus nisl. Curabitur malesuada, ante a molestie suscipit, lorem est suscipit nisi, nec aliquam nisi nibh sed quam.

# Metadata

- The metadata of a web page is very important, it provides the settings and configuration information.

```
<meta charset="utf-8">
```

- In addition, a web page's metadata could be regarded as a search engine optimization (SEO) method.
- Website metadata includes page titles, descriptions, keywords, and more to help search engines crawl and rank web pages.
- Search engines interpret data and information on website pages to determine their relevance to a user's search query.

# Metadata

- Metadata example: [w0107\\_metadata.html](#)

```
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>w0107 metadata</title>
8   <meta name="description" content="This web page is a demo for metadata" />
9   <meta name="robots" content="noindex,nofollow" />
10  <meta name="robots" content="noindex,follow" />
11  <meta name="robots" content="index,nofollow" />
12  <meta property="og:title" />
13  <meta property="og:description" />
14  <meta property="og:type" />
15  <meta property="og:url" />
16  <meta property="og:site_name" />
17  <meta name="keywords" content="keywords go here." />
18 </head>
```

# Metadata

- Basically, there are five types of metadata that you need to know:
  - a) Title tag
  - b) Meta description tag
  - c) Meta robot tag
  - d) Open graph tag
  - e) Meta keyword tag

# Metadata – Title Tag

## #1 Title tag

- The title tag is what's displayed on search engines results pages (SERPs) as the title of your web page. Every page on your website should have a unique title. The title is not to be confused with the H1 tag that exists within the body of the page and can serve as a title for the on-page content. Title tags should be around 50-60 characters to avoid being truncated on search engines.
- You can add the title to a webpage by finding the <title> tag within the source code and entering the words. When you're finished adding your title tag, it should look something like this:

```
<title>Title goes here</title>
```

Information source: <https://bit.ly/48GM596>

# Metadata – Description Tag

## #2 Meta description tag

- A meta description is the short text summary that appears on SERPs below the title. Your pages should all have unique and accurate descriptions of the content on them.
- A meta description should be between 150 and 160 characters to avoid being truncated in search results. Unfortunately, you can't always have a say in what your meta description is.
- Even if you write them yourself, search engines may still decide you provided information that wasn't relevant and choose to rewrite your meta descriptions or display the wrong content from the page.

```
<meta name="description" content="Content goes here."/>
```

Information source: <https://bit.ly/48GM596>

# Metadata – Robot Tag

## #3 Meta robots tag

- The meta robots tag tells search engines how to crawl your website, letting them know which pages you want to rank and which you don't. There are many purposes for these tags, so you must use them correctly if you want to rank certain pages and ignore others.
- Robots tags tell search engines whether or not to index or follow a page by labeling them as INDEX and FOLLOW or NOINDEX and NOFOLLOW.

```
<meta name="robots" content="noindex,nofollow"/>
<meta name="robots" content="noindex,follow"/>
<meta name="robots" content="index,nofollow"/>
```

Information source: <https://bit.ly/48GM596>

# Metadata – Robot Tag

## #3 Meta robots tag

- When you label a page as INDEX, you tell search engines you want it to show up in SERPs.
- Meanwhile, when you tell them to FOLLOW a page, it means you want to pass PageRank to a specific page.
- A NOFOLLOW tag is not followed, so it can't transfer page rank to any other type of webpage.
- These pages can still appear in Google's index if another site links to them without using the NOFOLLOW tag. Other search engines may have different rules for these robot tags.

Information source: <https://bit.ly/48GM596>

# Metadata – Open Graph Tag

## #4 Open graph tag

- Open graph tags are used for sharing messages on social media platforms like Facebook. If you want to pass information from a blog like the featured image and a snippet, you will use the open graph tag. These tags effectively tell social media platforms the type of information you want to display when you share a link from your website.
- You've likely already seen some open graph tags in action. Any time you share a link from a website on social media, it automatically generates a preview. This preview is created through the open graph tag. There are many open graph tags you can choose from, but they will appear in the head HTML as `<meta property= "og:xx">`.

Information source: <https://bit.ly/48GM596>

# Metadata – Open Graph Tag

## #4 Open graph tag

- Your options for what you can put in an open graph include

```
<meta property="og:title" content="keywords go here."/>
<meta property="og:description" content="keywords go here."/>
<meta property="og:type" content="keywords go here."/>
<meta property="og:url" content="keywords go here."/>
<meta property="og:site_name" content="keywords go here."/>
```

Information source: <https://bit.ly/48GM596>

# Metadata – Keyword

## #5 Meta keyword tag

- The meta keyword tag is used to describe the keywords you want to rank for. However, most search engines ignore this tag, so it's becoming obsolete every year. In fact, if you abuse the meta keyword tag, you could get a penalty, preventing you from ranking for your target keywords.
- When used correctly, this tag could inform search engines what your content is about by highlighting important keywords found on your page.
- Unfortunately, Google does not use the meta keyword tag, but other search engines might, so it's worth considering if you want to improve your SEO using search engines other than Google.

# Metadata – Keyword

## #5 Meta keyword tag

- At the very least, using the meta keyword tag can help you keep track of which keywords you're targeting on different website pages.

```
<meta name="keywords" content= "keywords go here."/>
```

- Since the top search engines no longer use the meta keyword tag as a ranking factor, there's no need to waste your time or add more code that can slow down your website. Instead, you can skip this one and focus on meta tags that can help improve rankings and user experience.

# Elements

- To organize your website and perform correctly, we have to learn the common use elements in HTML. In fact, there are several types of elements that you can use for your web page; however, the most common use elements are not as many as you imagine.
- Such as,

(1) Headings (e.g., h1, h2, h3, h4, and h5)	(6) Links	(12) Comments
(2) Divisions (e.g., div)	(7) Tables	(13) Emojis
(3) Paragraphs (e.g., p)	(8) Lists	(14) Forms
(4) Media	(9) Blocks & Inlines	(15) IDs
(5) Quotations	(10) Favicon	(16) Class
	(11) Iframe	

# Elements – Headings

- HTML has six levels of **headings**, where H1 is the most important, and H6 is the most unimportant. Hence, headings could present the document structure.
- Search engines use the headings to index the structure and content of your web pages.

```
<h1 style="font-size: 60px;">H1: Headings</h1>
<h1>H1: Headings</h1>
<h2>H2: Headings</h2>
<h3>H3: Headings</h3>
<h4>H4: Headings</h4>
<h5>H5: Headings</h5>
<h6>H6: Headings</h6>
```

## H1: Headings

## H1: Headings

## H2: Headings

## H3: Headings

## H4: Headings

## H5: Headings

## H6: Headings

# Metadata – Divisions

- The `<div>` element is, by default, a block element, which takes all available widths and comes with line breaks before and after.
- The `<div>` element has no required attributes, but `style`, `class`, and `id` are common.

Metadata example: [w0108\\_elements.html](#)

```
<h1>Divisions: example 1</h1>
<div style="background-color: #FFF4A3;">
  <h2>National Taiwan Normal University</h2>
  <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
</div>
<h1>Divisions: example 2</h1>
<div style="background-color: #FFF4A3; width: 400px; margin: auto;">
  <h2>National Taiwan Normal University</h2>
  <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
</div>
<div style="background-color: #FFF4A3;">
  <h1>Divisions: example 3</h1>
  <div style="background-color: #FFF4A3;">
    <h2>National Taiwan Normal University</h2>
    <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
  </div>
  <div style="background-color: #FFC0C7;">
    <h2>National Taiwan University</h2>
    <p>Since its establishment, NTU has been the leader of higher education in Taiwan and has faced and tackled a variety of challenges on the path toward excellence.</p>
  </div>
  <div style="background-color: #D9EEE3;">
    <h2>National Taiwan University of Education</h2>
    <p>National Taipei University of Education (NTUE) comprises 3 colleges, namely Education, Humanities and Arts, Science, 16 departments, 18 graduate schools, offering 22 master's programs, 21 in-service master's programs, and 3 Ph.D. programs.</p>
  </div>
</div>
```

Source: [https://www.w3schools.com/html/html\\_div.asp](https://www.w3schools.com/html/html_div.asp)

# Metadata – Divisions

Metadata example: [w0108\\_elements.html](#)

```
<h1>Divisions: example 1</h1>
<div style="background-color: #FFF4A3;">
    <h2>National Taiwan Normal University</h2>
    <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
</div>
<h1>Divisions: example 2</h1>
<div style="background-color: #FFF4A3; width: 400px; margin: auto;">
    <h2>National Taiwan Normal University</h2>
    <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
</div>
<div>
    <h1>Divisions: example 3</h1>
    <div style="background-color: #FFF4A3;">
        <h2>National Taiwan Normal University</h2>
        <p>Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.</p>
    </div>
    <div style="background-color: #FFC0C7;">
        <h2>National Taiwan University</h2>
        <p>Since its establishment, NTU has been the leader of higher education in Taiwan and has faced and tackled a variety of challenges on the path toward excellence.</p>
    </div>
    <div style="background-color: #D9EEE1;">
        <h2>National Taiwan University of Education</h2>
        <p>National Taipei University of Education (NTUE) comprises 3 colleges, namely Education, Humanities and Arts, Science, 16 departments, 18 graduate schools, offering 22 master's programs, 21 in-service master's programs, and 3 Ph.D. programs.</p>
    </div>
</div>
```

## Divisions: example 1

### National Taiwan Normal University

Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.

## Divisions: example 2

### National Taiwan Normal University

Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.

## Divisions: example 3

### National Taiwan Normal University

Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.

### National Taiwan University

Since its establishment, NTU has been the leader of higher education in Taiwan and has faced and tackled a variety of challenges on the path toward excellence.

### National Taiwan University of Education

National Taipei University of Education (NTUE) comprises 3 colleges, namely Education, Humanities and Arts, Science, 16 departments, 18 graduate schools, offering 22 master's programs, 21 in-service master's programs, and 3 Ph.D. programs.

Source: [https://www.w3schools.com/html/html\\_div.asp](https://www.w3schools.com/html/html_div.asp)

# Elements – Paragraphs

- The **paragraph** elements are used to present the content of the web page.
- Basically, there are four common types:
  - a) `<p>`: Defines a paragraph
  - b) `<hr>`: Defines a thematic change in the content
  - c) `<br>`: Inserts a single line break
  - d) `<pre>`: Defines pre-formatted text

Source: [https://www.w3schools.com/html/html\\_paragraphs.asp](https://www.w3schools.com/html/html_paragraphs.asp)

# Elements – Paragraphs

- Examples of four types of paragraph tags:

```
<div>
  <h1>Paragraphs: example 1</h1>
  <p>National Taiwan Normal University</p>

  <h1>Paragraphs: example 2</h1>
  <p>National Taiwan Normal University</p>
  <hr>
  <p>National Taiwan University</p>

  <h1>Paragraphs: example 3</h1>
  <p>Characterized by both tradition and innovation, National
  Taiwan Normal University (NTNU) <br />has long been
  recognized as one of Taiwan's elite institutions of higher
  education.</p>

  <h1>Paragraphs: example 4</h1>
  <pre>Characterized by both tradition and innovation, National
  Taiwan Normal University (NTNU) has long been recognized as
  one of Taiwan's elite institutions of higher education.</pre>
</div>
```

Metadata example: [w0108\\_elements.html](#)

## Paragraphs: example 1

National Taiwan Normal University

## Paragraphs: example 2

National Taiwan Normal University

National Taiwan University

## Paragraphs: example 3

Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has long been recognized as one of Taiwan's elite institutions of higher education.

## Paragraphs: example 4

Characterized by both tradition and innovation, National Taiwan Normal University (NTNU) has lon

Something is strange here!

Source: [https://www.w3schools.com/html/html\\_paragraphs.asp](https://www.w3schools.com/html/html_paragraphs.asp)

# Elements – Media

- In addition to text, media is an important element in the web page because you can leverage your visualization tool to demonstrate your thinking and ideas via figures, etc.
- The **<img>** tag has two required attributes:
- **src** - Specifies the path to the image
- **alt** - Specifies an alternate text for the image

```
<div>
    <h1>Images: example 1</h1>
    
    <h1>Images: example 2</h1>
    
    <h1>Images: example 3</h1>
    
    <h1>Images: example 4</h1>
    
</div>
```

Metadata example: [w0108\\_elements.html](#)



# Elements – Media

```
<div>
  <h1>Images: example 1</h1> Metadata example: w0108_elements.html
  
  <h1>Images: example 2</h1>
  
  <h1>Images: example 3</h1>
  
  <h1>Images: example 4</h1>
  
</div>
```

Images: example 1



Images: example 3



Images: example 4



# Elements – Quotations

- Here, we introduce some interesting elements that could help to format your information.
- a) **<abbr>**: Defines an abbreviation or acronym
- b) **<address>**: Defines contact information for the author/owner of a document
- c) **<bdo>**: Defines the text direction
- d) **<blockquote>**: Defines a section that is quoted from another source
- e) **<cite>**: Defines the title of a work
- f) **<q>**: Defines a short inline quotation

Source: [https://www.w3schools.com/html/html\\_quotation\\_elements.asp](https://www.w3schools.com/html/html_quotation_elements.asp)

# Elements – Quotations

Metadata example: [w0108\\_elements.html](#)

```
<div>
  <h1>Quotations: example 1</h1>
  <blockquote cite="https://toodou.github.io">He is a Assistant Professor at Department of Geography, National Taiwan Normal University. He received a Ph.D. Department of Geography, National Taiwan University.</blockquote>
  <h1>Quotations: example 2</h1>
  <p>He applied <q>artificial intelligence technology</q> to spatiotemporal AI (urban mobility generation), cyber security <abbr title="artificial intelligence">AI</abbr> (network attack detection in encrypted traffic), and medical AI (clinical research related to osteoporosis and cardiovascular calcification).</p>
  <h1>Quotations: example 3</h1>
  <address>162, Section 1, Heping E. Rd., Taipei City 106, Taiwan.
  </address>
  <h1>Quotations: example 4</h1>
  <bdo dir="rtl">Chun-Hsiang Chan</bdo>
  <h1>Quotations: example 5</h1>
  I always aim to overcome my limitations. (<cite>Chan, 2017</cite>)
</div>
```

## Quotations: example 1

He is a Assistant Professor at Department of Geography, National Taiwan Normal University. He received a Ph.D. Department of Geography, National Taiwan University.

## Quotations: example 2

He applied "artificial intelligence technology" to spatiotemporal AI (urban mobility generation), cyber security AI (network attack detection in encrypted traffic), and medical AI (clinical research related to osteoporosis and cardiovascular calcification).

## Quotations: example 3

162, Section 1, Heping E. Rd., Taipei City 106, Taiwan.

## Quotations: example 4

nahC gnaisH-nuhC

## Quotations: example 5

I always aim to overcome my limitations. (*Chan, 2017*)

# Elements – Links

- Links are found in nearly all web pages. Links allow users to click their way from page to page. By default, the linked page will be displayed in the current browser window. To change this, you must specify another target for the link. The target attribute specifies where to open the linked document.
  - a) **\_self** - Default. Opens the document in the same window/tab as it was clicked
  - b) **\_blank** - Opens the document in a new window or tab
  - c) **\_parent** - Opens the document in the parent frame
  - d) **\_top** - Opens the document in the full body of the window

# Elements – Links

Metadata example: [w0108\\_elements.html](#)

```
<div>
  <h1>Links: example 1</h1>
  <a href="https://toodou.github.io/index.html">CCH Webpage</a>
  <h1>Links: example 2</h1>
  <a href="https://toodou.github.io/index.html" target="_self">Self</a>
  <a href="https://toodou.github.io/index.html" target="_blank">Blank</a>
  <a href="https://toodou.github.io/index.html" target="_parent">Parent</a>
  <a href="https://toodou.github.io/index.html" target="_top">Top</a>
</div>
```

Source: [https://www.w3schools.com/html/html\\_links.asp](https://www.w3schools.com/html/html_links.asp)

# Elements – Tables

Metadata example: [w0108\\_elements.html](#)

```
<div>
  <h1>Tables: example</h1>
  <table>
    <thead>
      <tr>
        <th>University</th>
        <th>City</th>
        <th>Country</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>National Taiwan University</td>
        <td>Taipei</td>
        <td>Taiwan</td>
      </tr>
      <tr>
        <td>University of Tokyo</td>
        <td>Tokyo</td>
        <td>Japan</td>
      </tr>
      <tr>
        <td>University of Singapore</td>
        <td>Singapore</td>
        <td>Singapore</td>
      </tr>
    </tbody>
  </table>
</div>
```

- Each table cell is defined by a `<td>` and a `</td>` tag.
- Each table row starts with a `<tr>` and ends with a `</tr>` tag.

Tag	Description
<code>&lt;table&gt;</code>	Defines a table
<code>&lt;th&gt;</code>	Defines a header cell in a table
<code>&lt;tr&gt;</code>	Defines a row in a table
<code>&lt;td&gt;</code>	Defines a cell in a table
<code>&lt;caption&gt;</code>	Defines a table caption
<code>&lt;colgroup&gt;</code>	Specifies a group of one or more columns in a table for formatting
<code>&lt;col&gt;</code>	Specifies column properties for each column within a <code>&lt;colgroup&gt;</code> element
<code>&lt;thead&gt;</code>	Groups the header content in a table
<code>&lt;tbody&gt;</code>	Groups the body content in a table
<code>&lt;tfoot&gt;</code>	Groups the footer content in a table

# Elements – Lists

- HTML lists allow web developers to group a set of related items in lists.
- An ordered list starts with the `<ol>` tag, where an unordered list starts with the `<ul>` tag. Each list item starts with the `<li>` tag.

```
<div>
  <h1>Lists: example 1</h1>
  <ol>
    <li>NTU</li>
    <li>NTNU</li>
    <li>NTHU</li>
  </ol>
  <h1>Lists: example 2</h1>
  <ul>
    <li>NTU</li>
    <li>NTNU</li>
    <li>NTHU</li>
  </ul>
</div>
```

Metadata example:  
[w0108\\_elements.html](#)

## Lists: example 1

1. NTU
2. NTNU
3. NTHU

## Lists: example 2

- NTU
- NTNU
- NTHU

# Elements – Blocks & Inlines

- A block-level element always starts on a new line, and the browsers automatically add some space (a margin) before and after the element.
- A block-level element always takes up the full width available (stretches out to the left and right as far as it can).

```
<div>
  <h1>Blocks & Inlines</h1>
  <p>This is an inline span <span style="border: 1px solid black">Hello World
    </span> element inside a paragraph.</p>
</div>
```

Metadata example: [w0108\\_elements.html](#)

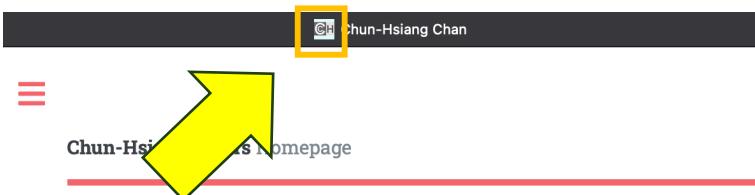
## Blocks & Inlines

This is an inline span Hello World element inside a paragraph.

<code>&lt;a&gt;</code>	<code>&lt;abbr&gt;</code>	<code>&lt;acronym&gt;</code>	<code>&lt;b&gt;</code>	<code>&lt;bdo&gt;</code>	<code>&lt;big&gt;</code>
<code>&lt;br&gt;</code>	<code>&lt;button&gt;</code>	<code>&lt;cite&gt;</code>	<code>&lt;code&gt;</code>	<code>&lt;dfn&gt;</code>	<code>&lt;em&gt;</code>
<code>&lt;i&gt;</code>	<code>&lt;img&gt;</code>	<code>&lt;input&gt;</code>	<code>&lt;kbd&gt;</code>	<code>&lt;label&gt;</code>	<code>&lt;map&gt;</code>
<code>&lt;object&gt;</code>	<code>&lt;output&gt;</code>	<code>&lt;q&gt;</code>	<code>&lt;samp&gt;</code>	<code>&lt;script&gt;</code>	<code>&lt;select&gt;</code>
<code>&lt;small&gt;</code>	<code>&lt;span&gt;</code>	<code>&lt;strong&gt;</code>	<code>&lt;sub&gt;</code>	<code>&lt;sup&gt;</code>	<code>&lt;textarea&gt;</code>
<code>&lt;time&gt;</code>	<code>&lt;tt&gt;</code>	<code>&lt;var&gt;</code>			

# Elements – Favicons

- A favicon is a tiny icon displayed on the web page title of the browser tab.



## Chun-Hsiang Chan Ph.D.

A SPATIOTEMPORAL DATA SCIENTIST SKILLED WITH  
INTERDISCIPLINARY EXPERIENCE & MULTIDISCIPLINARY EXPERTISE

He is a Assistant Professor at Department of Geography, National Taiwan Normal University. He received a Ph.D. Department of Geography, National Taiwan University. Research interests focus on applying the SDGs to human dynamics. He applied artificial intelligence technology to spatiotemporal AI (urban mobility generation), cyber security AI (network attack detection in encrypted traffic), and medical AI (clinical research related to osteoporosis and cardiovascular calcification). Experienced data analyst with a history of working in academia and the information industry. To date, published 7 journal articles (5 SCI/SSCI, 1 TSSCI, 1 EI), 43 conference papers, 1 book chapter, a co-authored book in Russian (Герои нашего времени из Тайваня в Россию и постсоветское пространство).

LEARN MORE

RESUME

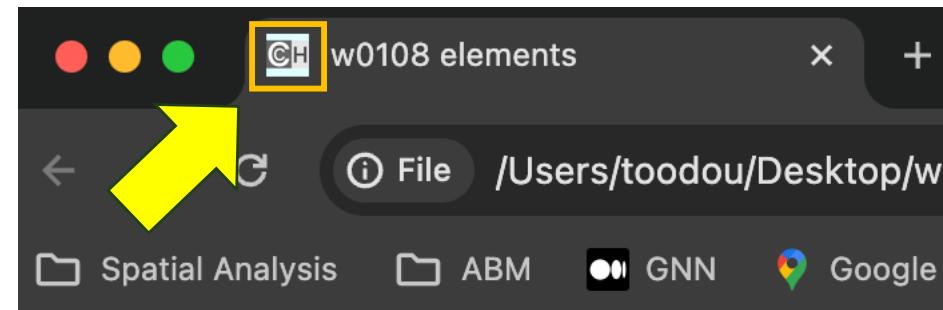
LAB INTRO

YOUTUBE

Metadata example: `w0108_elements.html`

```
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,
  initial-scale=1">
  <link rel="shortcut icon" href="img/demo.ico">
  <title>w0108 elements</title>
</head>
```

## Results



# Elements – Iframe

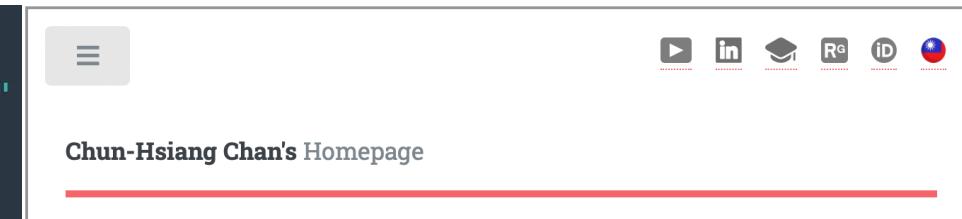
- **<iframe>** is a powerful element that allows you to embed other website into your web page.

Metadata example: [w0108\\_elements.html](#)

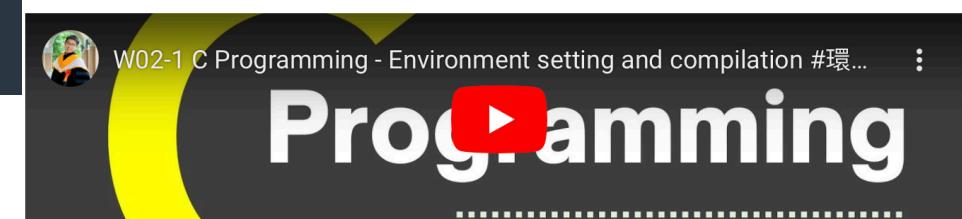
```
<div>
  <h1>iframes: example 1</h1>
  <iframe src="https://toodou.github.io/index.html" height="33%" width="100%" title="Iframe Example"></iframe>

  <h1>iframes: example 2</h1>
  <iframe width=100% height=33% src="https://www.youtube.com/embed/Q5AzvfLfJfU" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>
</div>
```

## iframes: example 1



## iframes: example 2



# Comments & Emojis

```
<!DOCTYPE html>
<html>

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>w0109 comments and emojis</title>
    <style type="text/css">
        /* this is css part */
    </style>
</head>

<body>
    <!-- print hello world with h1 style -->
    <h1>Hello World!</h1>
    <h2>&#128512; &#128513; &#128516;</h2>
</body>

</html>
```

Source: [https://www.w3schools.com/charsets/ref\\_emoji\\_smileys.asp](https://www.w3schools.com/charsets/ref_emoji_smileys.asp)

## Hello World!



UTF-8 Emoji

UTF-8 Emoji Smileys

UTF-8 Emoji Hands

UTF-8 Emoji People

UTF-8 Emoji Office

UTF-8 Emoji Places

UTF-8 Emoji Transport

UTF-8 Emoji Animals

UTF-8 Emoji Food

UTF-8 Emoji Plants

UTF-8 Emoji Sports

UTF-8 Emoji Earth and Sky

UTF-8 Emoji Weather

UTF-8 Emoji Clothings

UTF-8 Emoji Audio/Video

UTF-8 Emoji Celebration

UTF-8 Emoji Symbols

UTF-8 Emoji Skin Tones

# IDs, Classes & Forms

- You may use IDs and Classes to identify the specific elements in HTML.

In the head ...

```
<style type="text/css">
  .textClass {
    color: #22dd45;
    font-weight: bolder;
  }

  #textID {
    color: #aa22cc;
    font-style: italic;
  }
```

In the body ...

```
<h2 id="textID">Classes & IDs</h2>
<p class="textClass">Lorem ipsum is placeholder text commonly used in the graphic,<br />
  print, and publishing industries for previewing layouts and visual mockups.</p>
<h2>submit form</h2>
<form action="#" method="get">
  <!--insert website for successfully log in-->
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br><br>
  <input type="submit" value="Submit">
</form>
<h2>radio button form</h2>
<form>
  <input type="radio" id="html" name="fav_language" value="HTML">
  <label for="html">HTML</label><br>
  <input type="radio" id="css" name="fav_language" value="CSS">
  <label for="css">CSS</label><br>
  <input type="radio" id="javascript" name="fav_language" value="JavaScript">
  <label for="javascript">JavaScript</label>
</form>
<h2>checkbox form</h2>
<form action="/action_page.php">
  <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike">
  <label for="vehicle1"> I have a bike</label><br>
  <input type="checkbox" id="vehicle2" name="vehicle2" value="Car">
  <label for="vehicle2"> I have a car</label><br>
  <input type="checkbox" id="vehicle3" name="vehicle3" value="Boat">
  <label for="vehicle3"> I have a boat</label><br><br>
  <input type="submit" value="Submit">
</form>
```

In the browser ...

## Classes & IDs

Lore*mm* ipsum is placeholder text commonly used in the graphic,  
print, and publishing industries for previewing layouts and visual mockups.

### submit form

First name:

John

Last name:

Doe

### radio button form

HTML

CSS

JavaScript

### checkbox form

I have a bike

I have a car

I have a boat

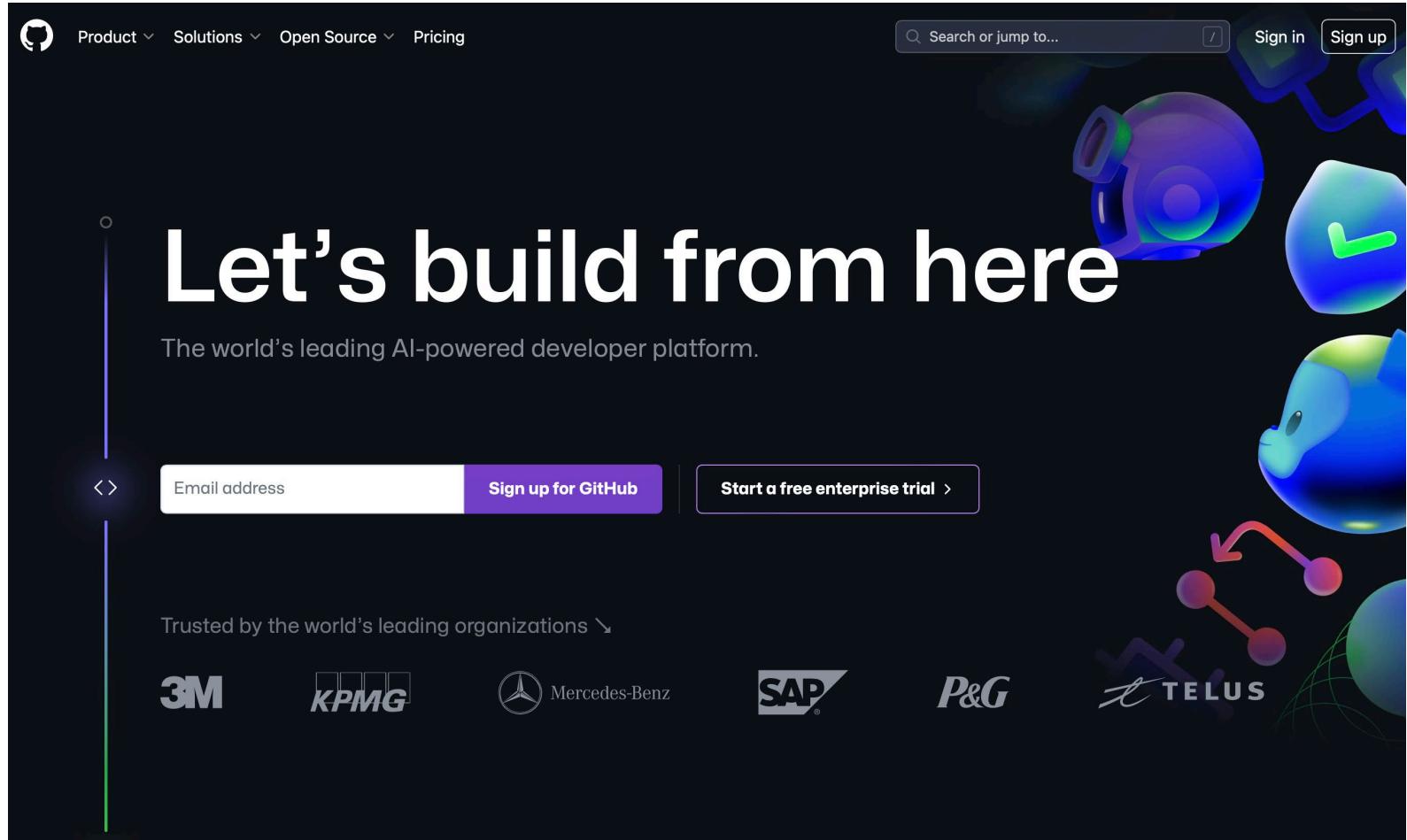
# Template

- Designing a web page is very interesting but complicated because too many styles and formats must be determined.
- Therefore, most websites adopt pre-designed templates.
  - a) HTML5UP!: <https://html5up.net>
  - b) Envatoelements: <https://elements.envato.com/web-templates/>
  - c) Colorlib: <https://colorlib.com/wp/templates/>
  - d) Canva: <https://www.canva.com/website-builder/templates/>
  - e) ...

# GitHub

GitHub is an open platform that provides several important sources: datasets, codes, and software.

Create an account for your own.



# GitHub



Dr. Chun-Hsiang Chan  
toodou

Assistant Professor at the  
Undergraduate/Master Program in  
Intelligent Computing and Big Data AI  
Consultant at Taiwan Cybersecurity  
Foundry Company

[Edit profile](#)

7 followers · 1 following

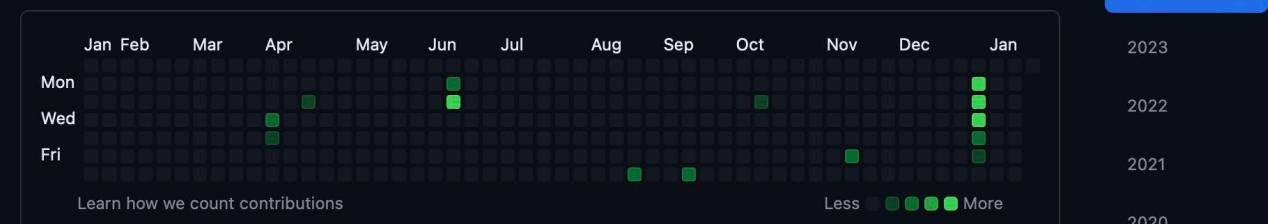
Chung Yuan Christian University  
Taipei, Taiwan, Republic of China  
[toodou.github.io](#)

Popular repositories

- Tutorial-4-Learning-Python** Public  
In this repository, I would like to provide the python code as tutorial materials.  
Jupyter Notebook ⭐ 2
- topojson** Public  
Forked from [topojson/topojson](#)  
An extension to GeoJSON that encodes topology.  
JavaScript
- Big-Data-Analysis-NTUST** Public  
Course Assignments of big data analysis @ NTUST 2017/01  
Jupyter Notebook
- toodou.github.io** Public  
TooDou's Website  
HTML ⭐ 2
- toodou0811** Public  
all assignments and files
- Tutorial-4-Learning-Matlab** Public  
toolbox for matlab programming :: coded by Chan, Chun-Hsiang (TooDou)  
MATLAB

74 contributions in the last year

Contribution settings ▾ 2024



Learn how we count contributions

# GitHub

Create a new repository.

The screenshot shows a GitHub profile for the user 'toodou'. The profile picture is a circular selfie of a man with glasses and a hoodie. The bio text is as follows:

Dr. Chun-Hsiang Chan  
toodou  
Assistant Professor at the  
Undergraduate/Master Program in  
Intelligent Computing and Big Data AI  
Consultant at Taiwan Cybersecurity  
Foundry Company

Below the bio is a 'Edit profile' button. Underneath the bio, it says '7 followers · 1 following'. At the bottom of the profile section are links to 'Chung Yuan Christian University', 'Taipei, Taiwan, Republic of China', and 'toodou.github.io'.

The main part of the screenshot shows the 'Repositories' tab selected, displaying the following repositories:

- toodou.github.io** (Public)  
TooDou's Website  
HTML, 2 stars, Updated 2 weeks ago
- SAC-Data-Processing** (Private)  
For riverbed data analysis via seismic data  
MATLAB, Updated on Aug 28, 2021
- COVID-19** (Public)  
Forked from CSSEGISandData/COVID-19  
Novel Coronavirus (COVID-19) Cases, provided by JHU CSSE  
Updated on Aug 28, 2020
- Tutorial-4-Learning-Python** (Public)  
In this repository, I would like to provide the python code as tutorial materials.  
Jupyter Notebook, 2 stars, Updated on Jan 8, 2018
- Tutorial-4-Learning-Matlab** (Public)  
toolbox for matlab programming u coded by Chen Chun-Hsiang /TeeDou

A large yellow arrow points to the 'New' button in the top right corner of the repository search bar.

# GitHub

## Notice:

The name should be as  
account\_name.github.io

The screenshot shows the GitHub interface for creating a new repository. At the top, there's a navigation bar with icons for search, notifications, and user profile. Below it, the main title is "Create a new repository". A sub-instruction says "A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#)". A note indicates that required fields are marked with an asterisk (\*).

The "Owner" field is set to "toodou". The "Repository name" field contains "toodou.github.io", which is highlighted with a red border and has a warning message below it: "⚠ The repository toodou.github.io already exists on this account.".

The "Description (optional)" field is empty. Below it, there are two radio button options for visibility: "Public" (selected) and "Private". The "Public" option is described as "Anyone on the internet can see this repository. You choose who can commit." The "Private" option is described as "You choose who can see and commit to this repository."

The "Initialize this repository with:" section includes a checkbox for "Add a README file", which is unchecked. A note below it says "This is where you can write a long description for your project. [Learn more about READMEs](#)".

The "Add .gitignore" section shows a dropdown menu set to "None". A note below it says "Choose which files not to track from a list of templates. [Learn more about ignoring files](#)".

The "Choose a license" section shows a dropdown menu set to "License: None". A note below it says "A license tells others what they can and can't do with your code. [Learn more about licenses](#)".

# Lab Practice #1

**Create an HTML file for each question:**

- 1) Create an HTML with an image hyperlink.
- 2) Create an HTML with 10 YouTube videos.
- 3) Create an HTML with rainbow-color words.

**The title of each question (HTML file) should be assigned as  
W01\_Lab\_0#**

# Assignment

**Design a webpage to introduce yourself.**

- You may introduce all education, work experience, hobbies, interests, etc.
- You have to use at least 10 different elements.

## Elements

- To organize your website and perform correctly, we have to learn the common use elements in HTML. In fact, there are several types of elements that you can use for your web page; however, the most common use elements are not as many as you imagine.
- Such as,
  - (1) Headings (e.g., h1, h2, h3, h4, and h5)
  - (2) Divisions (e.g., div)
  - (3) Paragraphs (e.g., p)
  - (4) Media
  - (5) Quotations
  - (6) Links
  - (7) Tables
  - (8) Lists
  - (9) Blocks & Inlines
  - (10) Favicon
  - (11) Iframe



# The End

Thank you for your attention!

Email: chchan@ntnu.edu.tw

Web: toodou.github.io

